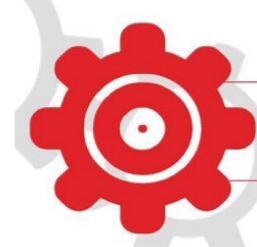


## مندسة الميكانيك العام السنة الأولى فريق الكريات الحمراء





...الجزء <mark>الرا</mark>بع ...



🗸 ملاحظات حول كيفية الحل





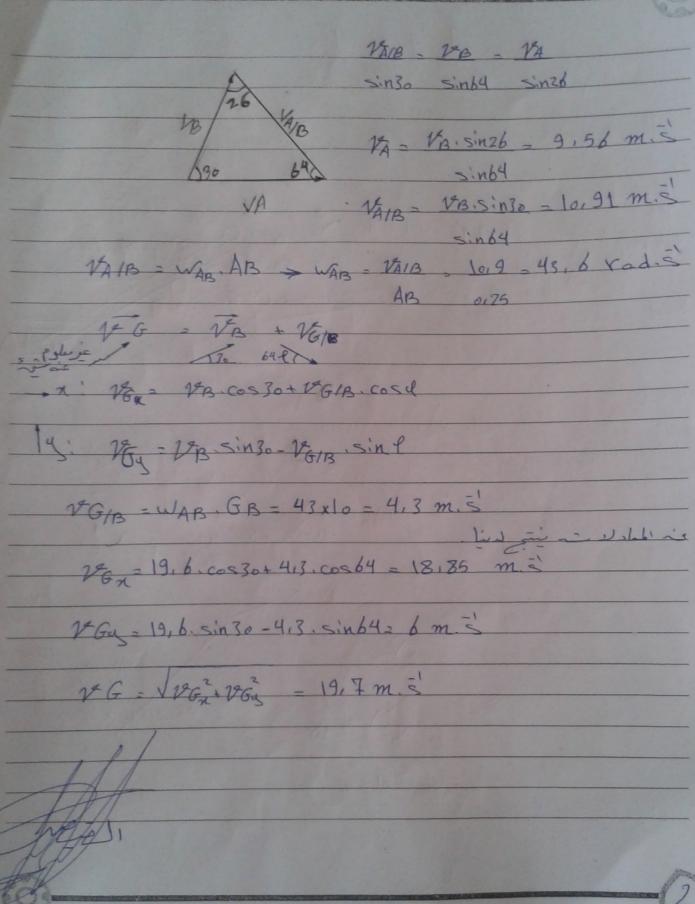
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المياد العالم مع طويلة / توقيع الطالمية: قاسم العلى HAMA 2370 1 3 K = 1500 (r.p.m) = 1500 = 25 71 n = 50 7 = 157 Yadis I= 25 cm. Gp= 10 cm. 0 - 60 AB = 0B > 25 = 1215 > x = 26° == SIRO SINK SINGO SINK iles oB ale di 12 = WOB - 0B = 157 x0,125 = 19,63 m. 5 30 By well a for AB VA = VB + VAIB 1+1 = 1/2 co230 - 1/2 cosb4 > 1+4 = 26 8 m.s 4:0= VB sin30+ MB sin64 > VBH=-VB sin30 = -1019 m.s W=157 radis 11- 1/2 = w/11 = a طلاب هندسة الميكانيك العام 2015-2020 GME.2015.2020

GME.2015.2020



B HAMA AB - 30 x0,2= 6 m= 4: 0= 1/B. sin30+ 1/EIB > 1213 = - 22 B. Sin30 > - 6x Sin30= -BC = VEIB = -3 = - 15 radis طلاب هندسة الميكانيك العام 2015-2020 OGME.2015.2020 ||

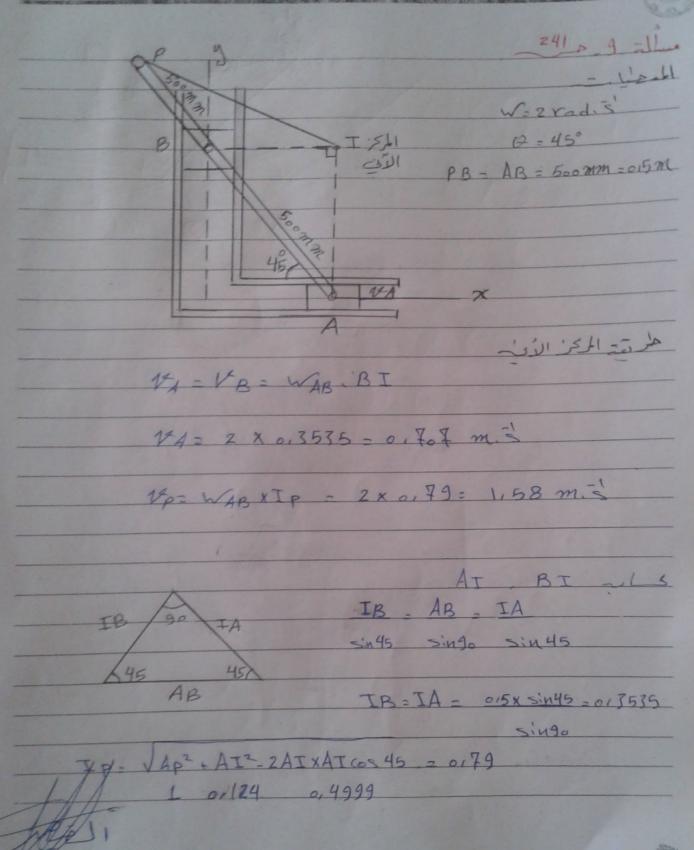
OGME.2015.2020 || 2020

RBOHAMA
$\overline{A}A = \overline{A}B + \overline{A}AB$ $A^{\dagger}A^{\dagger} = A^{\dagger}B + A^{\dagger}AB + A^{\dagger}AB$ $A^{\dagger}B + A^{\dagger}B + A^{\dagger}B + A^{\dagger}B$
$ \frac{1}{x} \cdot AA = -A^{n}_{B}\cos bo + A^{t}_{AB}\cos b4 + A^{n}_{B}\cos 26 $ $ AA = -2.41 \text{ m.s}^{2} \cdot \text{oliver} \cdot \text{le} $
Jy: 0 = AB sinbo - Atpsinby + Airs sin26 @  Atps - 2.84 m. & recidiolasi v S
AAB = VAIB = (0144) = 0.48 m. 3 AB 014 AB = VB = (018) = 3,2 m. 5 0B 012
$A_{A} = A_{A}^{t} = 2.41 \text{ m.} 5^{t}$
طلاب هندسة الميكانيك العام 2020-2015 علام مندسة الميكانيك العام 2020-2015

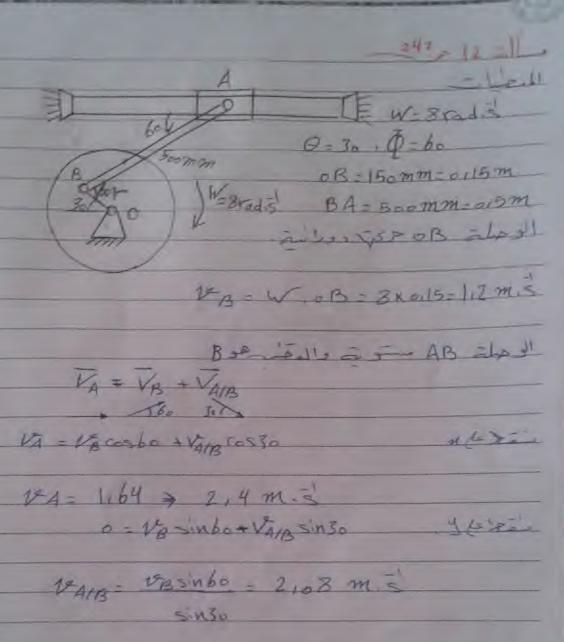


174 = WAR PA = 22 x 60 = 13,2 m.5 - I'LLE PB PA المعطات 45-01072 -- 0109 Vad. 5

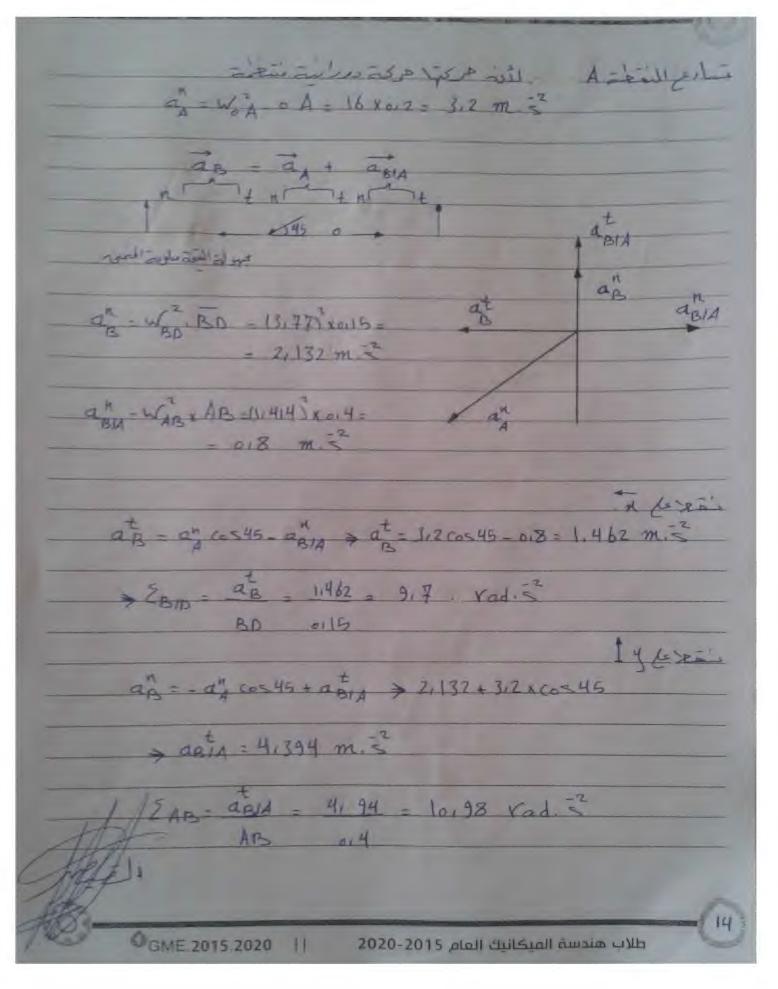
RB HAMA 24008 21 0=60, 0=45 1/B = WAB AB = 5x 60= 300 cm. \$ =013 m. \$ Vc= VB + Vc/B y dogo 14. 0 = VB. Sin45 + Ver. sin30 Var = - VB. sin45 = -424 m. s . reight of sin & WCB = VelB = 424 = 5,3 Vad. 8 M/cxa, - 1: 1/c = - VB COS 45 - VGA . COS 30 Ve= -300 cos 45 + 424 . cos30 = 155 cm. 5 1/c= 1,55 m. GME.2015.2020 طلاب هندسة الميكانيك العام 2020-2025



HAMA VB - VA - V 14 0545 = V4 - VAIB COSUS 1/B = 145 = VB14 = 145 VB = VAIB VB = VA = 05 m = R 2/2 - 2,36 rad طلاب هندسة الميكانيك العام 2020-2015 | | 2020-2015 RB HAMA JOSE TO DESCRIPTION OF THE W. 4826 10 = 300mm 015m BEE 128mm= 01125 % Ve = Ve - Vere Me Mady - V1 = - VBG132 - Vap 20245 X-3-15 0 = VBS-TO -VEHR = 149 V-11 = 1120231 = 0085 m 3 Ve= 1,64 m 3 VB = W AB = 4x613= 1,2 m = OGME 2015, 2020 || طلاب سندساء المتكانية، القام 2025-2020



0115

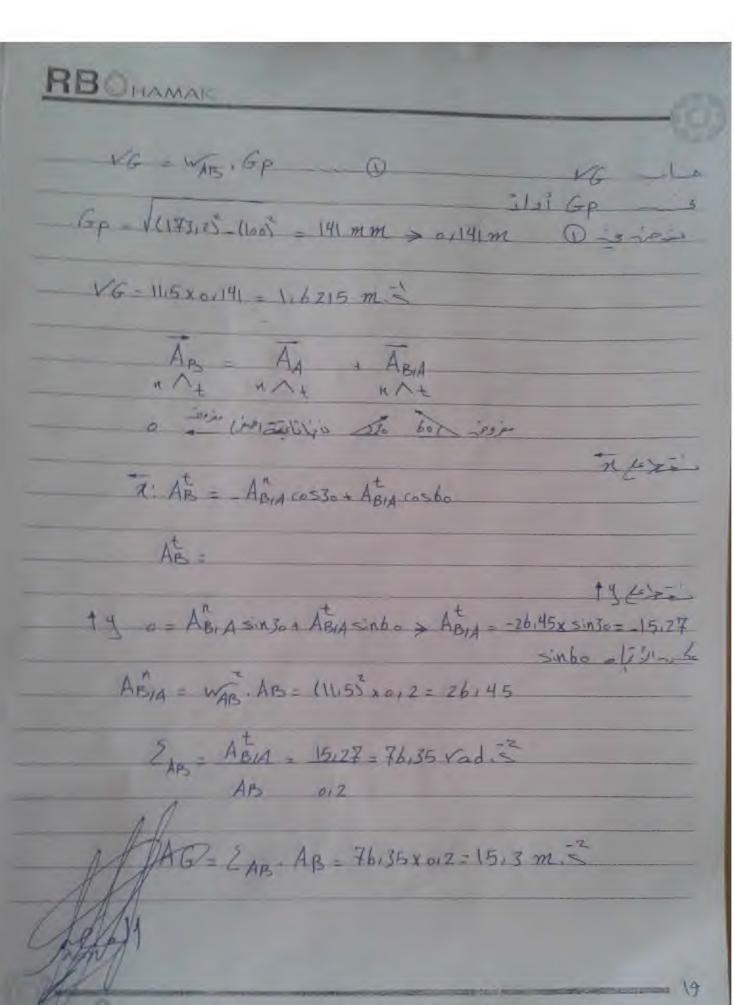


Ap - App - 156.3  Ap - Work xoB - 13ex 3kase5 - 444 m = 2  21 228 - 444 m = 2  15e - 5e - 5exsint - 0128 = x = 1612  5int - 5int - 15e  15e - 5e - 5exsint - 0128 = x = 1612  5int - 5int - 15e	RBOHAMA
Ap = April = 156.3  Ap = Work xoB = 130 x 3 x 0.05 = 444 m = 2  31 228 = 444 m = 2  April = Way m = 2  120 = B love = 151/2   151/2   152/2	Apt -449.com/a=19.2003774 77.20
Ap = April = 156.3  Ap = Work xoB = 130 x 3 x 0.05 = 444 m = 2  31	19 AF - A P = 130 + A P = 10 = 10 = 10 = 10 = 10 = 10 = 10 =
AP = Work x 0B = (30 x 3 x 0 105 = 444 m = 2  31 120 = 444 m = 2  120 = 4 line air Middle 1  150 = 50 = 50 x 5 in 12 = 0128 = x = 1612  5 in 120 sin 4 150	
APPR - WBP X BP = (1613) X 0115 = 39.8 m = 2  120 = 0   Line ain (11 all)    150 = 50 > 50x sin   2 = 0128 > x = 1612  Sin 120 sin x   150	ه المساوح اللاطفي وي في موحد سيادال سالاستاعل
120 = 8 lens sinklically   150 = 50 + 50xsink = 0128 + x = 1612   150	AB = WOB XOB = 130 X S KO105 = 444 m = 2 31 1882 - 444 m = 2
	APPB = WBP x BP = (16,3) x 0,15 = 39,8 m = 2
The same was a series of the s	150 = 50 > 50xSin 12 = 0128 > x = 1612
طلاب هندسة المبكانيك العام 2015-2020    2020-2015 المبكانيك العام 2015-2020	

AB==15m 0,15m BE = 0.15 m Vo = Ve · VBIE T. -VA = - 12 00545 > 1/3 = 0135m = n 6 34 41 0 = 12 Siv 45 - 12BIC > VBIC = 0,85 m. 25 = WABXAR > WAB - PB - 0185 - 5,66 Kadis x: At = At cos45 + An > 012 cos45 + 418 = 5143 m.s ZAB - At 5.43 - 36,2 Vad - 10,853 - 4,8 m. 5 AB=WAB AB=15,661 x015=4.8 41-AB - - Acsin/45/- ABic > At - 418-019 sin 45= طلاب هندسة الميكانيك العام 2015-2020

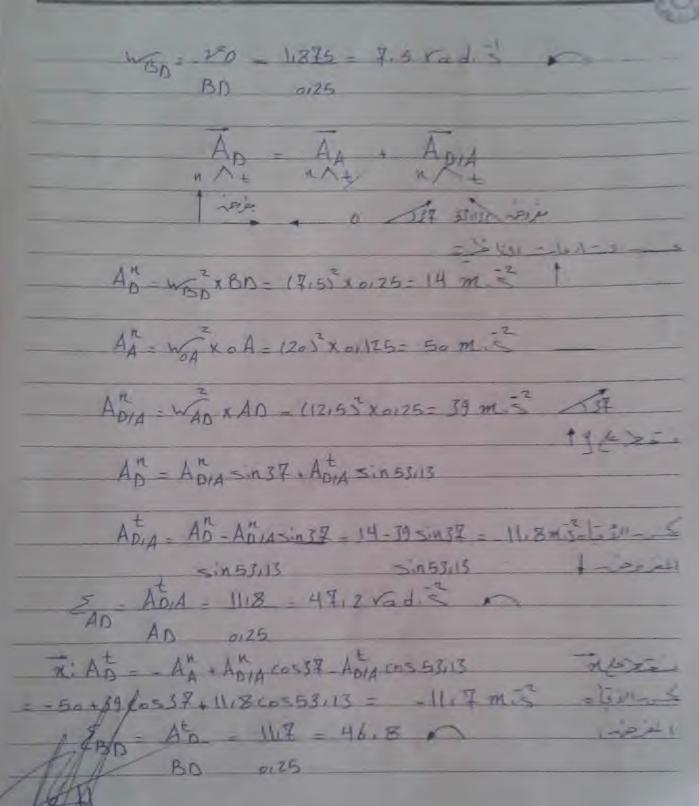
GME.2015.2020 ||

RBOHAMA حارب هادمة العبكانية الفاع 2015-2020 GME.2015 2020



طلاب هندسة الميكانيك العام 2015-2020

GME 2015 2020



RBOHAMAK 7- 2 4n = 250 08= 75 mm 40, 75 m 201700 WON = VE 4 = 20 Kad 3 6 1= WA 10 A = 20 x 0 11 76 = 216 7 = 1 Led k = 200 = 53, 13 - william AD - i plan - 11/1 -3 An = 002 + BAZ = 250 mm Heale as PAD The ach 4+1 0= 2/4-2014 SIN53,13 > 2014-215 - 3,125m.5 5,153,13 5,163,13 WAD = 3,125 = 12,5 Vad = 1 20. A cos 53/13 > 20 = 1,875 m. 5 طلاب هندسة الميكانيك العام 2015-2020 GME 2015,2020 ||

RBOHAMA 10000 19-B - 19-A/B COS X طاب مندسة المتكانك المام 2019-2020 GME 2015 2020

LTS SE 85 15 446 the to see the seek 2020-2239 mad discount from Chin RBOHAMA -14.58 CM 5-2 No : 1 : 20 Yed 5 OGME 2015 2020 طلاب هندسة العبكانيك العام 2015-2020 RBOHAMA 1 to - 2 r o A = 20 x 0 12 - 4 m = 3 A #10 = VATO = 4 = 20 m == An = 6 + Zeresber Acosso = 13, 4 m = 1 3 Ady = Apro sinho - Apro sinso - 15,5 m = 3 AA = VAA, AA = VI914 + 1513 = 25 m = At = 2, x = 20x015=6 m = Ac = No + Acto = 6 + 6 = 12 m = Acus Acio = 30 m 3 AAn An - / (123-130) = 3212 m = طلاب هندسة الميكانيك العام 2015-2020 GME.2015.2020

RBOHAMA R . O. B m . V = 0 1 1 m - 15 = 12 m - 1 - 131 - 118 - 2 Valle ve recomit VR= W x 2x = 5 x 2 x 0 , 3 = 5 m = 1/2 = Wx + V2 = 5 x 015 V7 = 2,12 m. 2 20 = W. DC = 219 NLS

DEW. DC = 219 M. S.

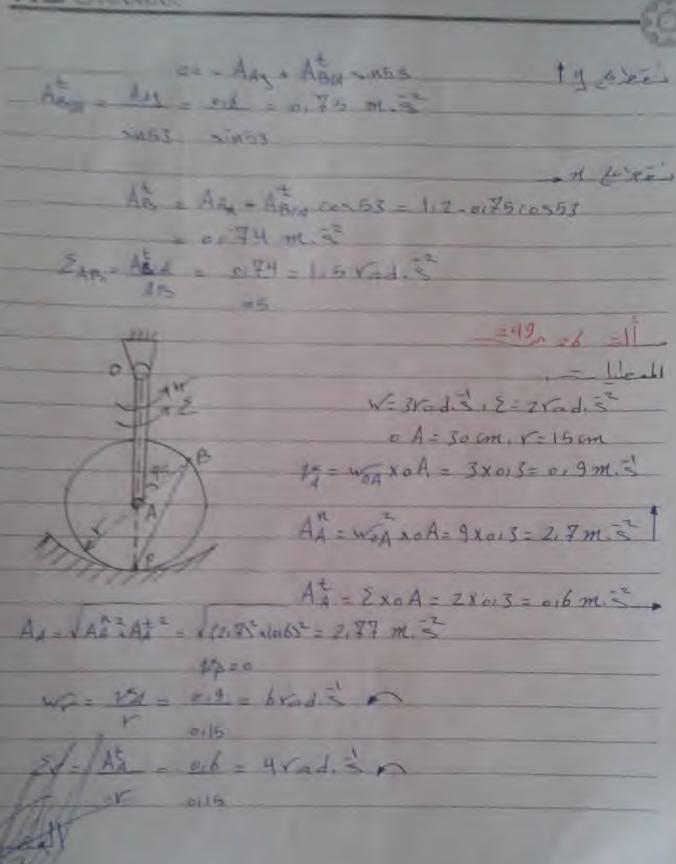
GME.2015.2020 ||

طلاب هندسة المتكانياة العام 2025-2020

RBOHAMA AR = Ao + Apro Ap : Ao : Ao/o طلاب هندسة المتكانية العام 2015-2020 RBOHAMAN 1 3 3 M. S = = XOS> TB=014 GME,2015.2020 || طلاب هندسة الميكانيك المام 1505-2020

RBOHAMA W= 2 vad 400 mm طلان هندسة الميكانيك العام 2015-2020 GME,2015,2020

RBOHMAN



RBOHAMAK



Vis - Vig + Visid
1 45t W. XY = 6x 015 = 019 m.s.
- 1010 C= 115= 019xca= 45= 01636
1 1 Vang - Vir - Visin sin45 = 0.9 + 0.9 1 sin45 = 1 1 536
3 118 14 1111
VR = VB , VB = Vaibs 1 + (ussb = 1,67 m. )
على المراج المراج الأولى الأول
الما عامانة أولا
10 + 45 = 136 > 18c-155=45
45 = 2215
Q135
18: W- X2Y-C03(22,5)
- 6 x 2xa15 co 5/22/5)=167 m. 5 22,6
AB - AA + ABIA
, and and
545 457
ABIN = W XAB = 36 x0115 = 5, 4, ABIN = Er x AB = 4x0115 = 016 m = 2
7. AB = A\$ - ABIA COS45+ ABIA COS45: MEXE
- 0,6 - 5,4cos45+0,6cos45=-2,8 veiellalsunde
14: ABA - A" - ABIASIN45 - ABIASIN45 -
1/2-217-5145in45-0165in45:-1154 issidiations
AB JABA - ABY = (12,33+415452 = 3,2 m. 3
Alex ingx ingy - 1121 Daniel
LARAN .
diverging and and statement of the color of

RBOHAMAK JULIUL - MELLEN - Letter with the 250 p 27 21 L. = 15 cm AB = bo cont Y= 156M, X=30 Was = 2 Vadis VA = WAXOA = 2 x 15= 30 cm =1 27 + 1 BIA SINDO = 101A = VA = 30 - 34 16 CM = = = \* VB = VBIA cosbo = 3416 cosbo = 17,3cm. = Wr = VB = 1713 = 1/15 radis PB 15 WAR = VBIA = 1416 = 0,57 Yadis 1 Wx x Ic = 1/15 x 26 = 30 cm 3 F-Y=2KY cos120 = V15=15-2415×15cos120= 26 cm طلاب هندسة المبكانية العام 2015-2020

RBOHAMAK



AR = AA + ABIA
wast not not
- autilians o isis atil sol sto
AA - An - 122 - 302 - 60 cm =
A
An 15  An = MAB × AB = 015 7 × 60 = 19,49 10
1 y le sei
0 = AB 14 sin30 + AB14 sin60 = AB14 = -AB14 sin30 = -11,2 com 5  sinbo residiotsillante
sindo reidición mé
it n n t
2 AB - AA - ABUCOSSOLABU COSGO = 3715 cm = - AB - alki EX = AB = 3715 = 215 M radis
Ex = AB = 3715 = 215 M radis
+15 15
ZAIR = ABIA = 11/2 = 0.18 M Yadis  AB 60
AC = AB + AGB  WALL NA +  WALL NA
Aug Wr x Y = (1,15) x 15 = 19,8 cm =
- ACT = AB - ACIB COS 30 - ACIB COS 60 = 1.6 cm. 3
ACX TIS - TUB COSTA TIMES
+ Acup of - AUBSING + ACIB SINDO = 2215 cm. 3
/ Acon + Acon = (465 + (22,5) = 22,5 cm. 52
1 Mills
(Alb)
3
11/ Days 2015 2020 11 2020-2015 dell flyStall auxilia 41/16

RBOHAMAK 250 28 a R=20 cm, 1-60 11:0= VB-VAIBCOS30 > VAIR = VB = 46,18 cm. ~ P + - VA = 0 - VAIBSIN30 > VA = VAIBSIN30 = 23 cm. 5 WAB - VAIB - 46,18 - 0,77 Vadis طلاب هندسة الميكانيك العام 2015-2020 GME.2015.2020

RBOHAMAK



-- VCIB = WAB. CB = 01 7 X 30 = 23,1 cm. Ti Ver= VB - VUBCOS30= = 40 - 23,1 cos30 = 19,9 cm.s y ( ) xx 14: Ven = - VCIB SIN 30 = - 11,55 cm. 5 Ve= 1/2+ Vey = 1/19,937 (11,99) = 23,01 cm = AA = AB + AAB AAIB: WAB 2 AB = (0, 77) x 60= 35,5 cm. 5 AB=At = EV XR = 5 x 20 = 100 cm. = 2 16 20 1 : 0 = AB + A N COS30 + ATIB GOSGO AAB = -AB-AABCOS30 = -100-35,500530 = -261,4 SAB = AAIB = 261,4 = 4,35 Vadis · 4 (e ) P = ' ty: -AA = -AA/B sin30 + AA/B sinbo A4 = 35,5 sin30+261 sinbo= 243,7 GME.2015.2020

طلاب هندسة الميكانك العام 2020-2015

RBOHAMAK delpon to alle trains of the boll to AC= AB + ACIB ACB = WAR CB = 10,773 x 30 = 17,7 cm =3 At = EARX CB = 4,35 x 30 = 130,5 cm. 3 Ac AB+ Augcos3a+Atip cosbo = 100+1717 (0530+13015 cosbo = 18015 cm. 5